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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/716,402	11/20/2003	Luigi Satragno	1008788-000053	5541
21839 7590 04/11/2008 BUCHANAN, INGERSOLL & ROONEY PC POST OFFICE BOX 1404			EXAMINER	
			LAMPRECHT, JOEL	
ALEXANDRIA	ALEXANDRIA, VA 22313-1404		ART UNIT	PAPER NUMBER
			3737	
			NOTIFICATION DATE	DELIVERY MODE
			04/11/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)	
	10/716,402	SATRAGNO ET AL.	
Office Action Summary	Examiner	Art Unit	
	JOEL M. LAMPRECHT	3737	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tinwill apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed on 21 J This action is FINAL . 2b) ☑ This Since this application is in condition for alloware closed in accordance with the practice under B	s action is non-final. nce except for formal matters, pro		
Disposition of Claims			
4) Claim(s) 1-4,6-28,30 and 32-37 is/are pending 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-4, 6-28, 30, 32-37 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	wn from consideration.		
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposed and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 2.	cepted or b) objected to by the liderawing(s) be held in abeyance. See tion is required if the drawing(s) is objected.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list 	ts have been received. ts have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:	ate	

Application/Control Number: 10/716,402 Page 2

Art Unit: 3737

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1/21/08 has been entered.

Claim Objections

Claims 1-5, 5-27, and 30 are objected to because of the following informalities:

Regarding claim 1, line 5, "The body" lacks antecedent basis. Regarding claim 3, the recitation of a guide appears redundant considering the limitations of claim 1.

Regarding claim 7 "the sliding guide" and "the upper plate" lack antecedent basis.

Regarding claim 16, "forming" should be "forms". Regarding claim 18, "the cavity" lacks antecedent basis. Regarding claim 27, "extend" should be "extends". Claim 30 is listed as dependent of claim 29 which is currently canceled. Examiner acknowledges that it was the intent of Applicant to include claim 30 as dependent from claim 28 and has examined the claim as such. Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1, 6-19, 21-24, 27, and 34-37 rejected under 35 U.S.C. 103(a) as being unpatentable over Carrozzi et al (EP 1 004 269 A1) in view of DeMeester et al (US 6,029,281). The disclosure of Carrozzi et al, specifically in regards to the figures, discloses a majority of the same invention as in Applicants' application.

Regarding Claim 1, Carrozzi et al disclose in Figure 1, Element 1 an MRI apparatus, Element 201 a cavity, wherein the table can be attached to an MRI base block supporting structure (0019-0026), is slide-able in at least 1 direction (0043), and has means for removable connection between the table and MRI apparatus (0041-0043).

Regarding Claims 6-19, and 21-24, Carrozzi et al disclose a base block with wheels (Fig 2-3), a platforms with base plate and upper MRI supporting plate (Fig 1-4), a table guide interposed between the base plate and the upper plate of the platform (Figure 2-3), elements for rolling (element 4), and also a supporting plate which is

slidable along a base plate, having an extension shaped as a circle coaxial to the sector shaped sliding guide (Fig 2-4). Additionally, Carrozzi et al disclose a support extension (support of element 1 from the figures), a magnet structure (element 1) having space (between 1 and 201) for accommodating a body part, and coaxial sector-shaped guides, with perpendicular axes intersecting the magnet structure. Carrozzi et al. also disclose a support structure that has the capacity to extend through an angle of less than 360 degrees or less than 180 degrees, sides of a magnet structure having an outer edge, arched to the table sliding guide. Within the interpretation of the Claims as written Carrozzi et al also disclose sector-shaped guide and/or the upper support plate of the MRI apparatus and/or the upper support plate of the extension either individually or as a coupling within the disclosed system, can rotate a full 360 degrees, as when the system is not coupled, the rollers on the invention and pressure make it easily possible to rotate the guide, or supports a full 360 degrees.

Page 4

Regarding Claim 27, Carrozzi et al disclose a table coupled to the MRI apparatus at one end side and extending radially with respect to the sector-shaped sliding guide (Figures 1-4).

Regarding Claims 34-37, Carrozzi et al disclose a system with an MRI apparatus, a table coupled to the apparatus, a guide for relative slide-able displacement of the table and the apparatus, which has the shape of a circle, and at least one platform rotates with an axis of rotation coaxial to the axis of the sector-shaped guide for the table which has means for rolling (Figure 1-6).

Carrozzi et al do not disclose the use of a base block of the MR imaging apparatus which has wheels or rollers for rotating the MRI apparatus relative to the table. Attention is then directed to the secondary reference by DeMeester et al which discloses the use of a magnetic structure complete with rollers and rotatable magnets for the purpose of affording a greater access to the patient during a procedure (Figures 1-3 and Col 5 Line 53- Col 6 Line 20). It would have been obvious to one of ordinary skill in the art at the time of the invention to have included the roller system of DeMeester et al with the patient table MRI device of Carrozzi et al to allow for easier patient access and more customizable device positioning (Col 1 Line 55- Col 2 Line 17).

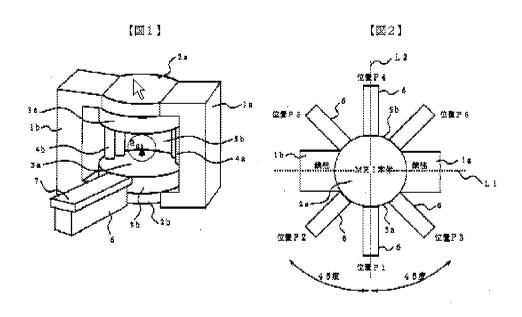
Claims 2-4, 20, 25-26, 28, 30, 32 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carrozzi et al (EP 1 004 269 A1) in view of DeMeester et al as applied to claims 1,16 above and in further view of Tazaki (JP 11028199 A). Regarding Claims 2-4 Carrozzi et al in view of DeMeester et al disclose all the limitations of the claims as listed but does not disclose using two tables simultaneously, rather Carrozzi et al in view of DeMeester disclose having one table. One having sufficient skill in the art would have expected the invention to perform equally well dependent on patient based on multiple factors, as the tables are used as a support structure for the patient, and if the patient was too tall for just one table, another could be added. It is further noted that JP 11028199A discloses the use of multiple rotatable and variably positionable tables for the purpose of facilitating easier imaging acquisition (English language abstract provided complete with motivations).

Regarding Claims 20, and 25-26 Carrozzi et al disclose a table guide for slidable displacement of the table fitted onto an intermediate part, removably coupled to the MRI apparatus by sliding guides (see Figure 4, 5, 6, 7, and specifically 13-14) and a cavity for accommodating the magnet structure, but does not disclose two or more tables being simultaneously coupled to the magnetic resonance imaging apparatus, rather Carrozzi et al discloses one table being removably coupled at a plurality of locales around the MRI apparatus. One having sufficient skill in the art would have expected the invention to perform equally well based on the design choice, as the tables are used in the exact same manner and are iteratively added if more support is needed for positioning. Additionally, attention is directed to the secondary teaching reference by Tazaki, which specifically discloses the use of multiple rotatable and positionable tables for the use of facilitating easier acquisition of MR images of a person.

Regarding claims 28, 30, 32, and 33 Carrozzi et al disclose all the limitations of the claims except for providing two patient tables, each at an opposing side of a guide and providing an MR apparatus which is capable of rotation coaxially to the guide sections. In Claims 28-33, Carrozzi et al discloses one guide section, but does not disclose two separate guide sections that extend through an angle of less than 180 degrees or less than 90 degrees and are coaxial to each other. Carrozzi discloses a guide section, which contains two diametrically opposite sections each fully capable of placement of diametrically opposite tables by coupling them to the central portion (element 102). Using Figure 6 as a guide, Carrozzi is capable of having tables placed on the opposite sides of the central portion if the patient being imaged required extra

support, considering there are already locking pins (element 6) on both sides of the central portion (102). The secondary reference by Tazaki (JP 11028199A), discloses the use of multiple tables placed in diametrically opposite directions for the purpose of allowing for displacement around an MR apparatus. Finally, attention is directed to the secondary reference by DeMeester et al which discloses the use of magnet structure which is capable of being rotated to allow for rotation with respect to the imaging table the patient is rested upon (Figure 2). It would have been obvious to one of ordinary skill in the art at the time of the invention to have allowed for rotation of the MR apparatus or magnet with respect to the table in order to provide increased access to a patient undergoing an MRI procedure (Col 1 Line 55- Col 2 Line 45).

Two images from the JP patent have been included for additional clarification on the motivation to use multiple tables during an MRI procedure below.



Application/Control Number: 10/716,402 Page 8

Art Unit: 3737

Response to Arguments

Applicant's arguments filed with the amendments on 1/21/08 have been fully considered but they are not persuasive. With regard to the argument that there is not a curved connection between the MRI apparatus and the patient table Examiner disagrees. The table of Carrozzi et al does indeed have a curved section which is connected to the magnet structure, and this connection in conjunction with the wheels on the table and connections around the guide portion of the table allow for relative rotation by at least most of the patient table and the magnet structure. Rotation does not imply that the table cannot be attached or fixed once in position, only that a rotation of one position to another is possible and designed for. The rest of the arguments are rendered moot by the new grounds for rejection as necessitated by the amendments to the claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOEL M. LAMPRECHT whose telephone number is (571)272-3250. The examiner can normally be reached on Monday-Friday 8:30AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian L. Casler can be reached on (571)272-4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/716,402 Page 9

Art Unit: 3737

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ruth S. Smith/ Primary Examiner, Art Unit 3737

JML